

| Ref # | Hits | Search Query  | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--------------------|------------------|---------|------------------|
| S1    | 1    | "20020044617"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2005/03/23 14:45 |
| S2    | 87   | "5485490"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 10:53 |
| S3    | 18   | "5757857"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 10:53 |
| S4    | 7    | "6122336"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 10:57 |
| S5    | 16   | "5650954"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 10:57 |
| S6    | 11   | "6002279"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 10:57 |
| S7    | 1    | "20020039395"   | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 12:37 |
| S8    | 223  | "phase interpolator"  | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 13:55 |
| S9    | 43   | "phase interpolator" AND<br>@pd<"20000428"  | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 13:18 |
| S10   | 110  | "3626298".pn. "4570125".pn.<br>"4604755".pn. "4879728".pn.<br>"4926447".pn. "4949357".pn.<br>"5012494".pn. "5233631".pn.<br>"5402449".pn. "5757857"<br>"3911368".pn. "4216544".pn.<br>"4633193".pn. "4744096".pn.<br>"5235622".pn. "5485490".pn.<br>"5502750".pn. "5568099".pn.<br>"6122336" "4373181".pn.<br>"4684831".pn. "4787082".pn.<br>"4797635".pn. "5382921".pn.<br>"5448598".pn. "5485113".pn.<br>"5485490".pn. "5533072".pn.<br>"5548280".pn. "5550860".pn.<br>"5578939".pn. "5587675".pn.<br>"5592629".pn. "5598443".pn.<br>"5623518".pn. "5633899".pn.<br>"5638028".pn. "5818304".pn.<br>"5844436".pn. "6002279"<br>"5374860".pn. "5754835".pn.<br>"5802103".pn. "5864250".pn.<br>"5945860".pn. "6035409"<br>"3296517".pn. "3546604".pn.<br>"3555458".pn. "3911368".pn.<br>"3997772".pn. "4156851".pn.<br>"4638190".pn. "4739279".pn.<br>"4806888".pn. "4866397".pn.<br>"4994773".pn. "5015872".pn.<br>"5157276".pn. "5317288".pn.<br>"5554945" | US-PGPUB;<br>USPAT | OR               | OFF     | 2004/06/28 12:59 |

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| S11 | 66   | ("3626298".pn. "4570125".pn.<br>"4604755".pn. "4879728".pn.<br>"4926447".pn. "4949357".pn.<br>"5012494".pn. "5233631".pn.<br>"5402449".pn. "5757857"<br>"3911368".pn. "4216544".pn.<br>"4633193".pn. "4744096".pn.<br>"5235622".pn. "5485490".pn.<br>"5502750".pn. "5568099".pn.<br>"6122336" "4373181".pn.<br>"4684831".pn. "4787082".pn.<br>"4797635".pn. "5382921".pn.<br>"5448598".pn. "5485113".pn.<br>"5485490".pn. "5533072".pn.<br>"5548280".pn. "5550860".pn.<br>"5578939".pn. "5587675".pn.<br>"5592629".pn. "5598443".pn.<br>"5623518".pn. "5633899".pn.<br>"5638028".pn. "5818304".pn.<br>"5844436".pn. "6002279"<br>"5374860".pn. "5754835".pn.<br>"5802103".pn. "5864250".pn.<br>"5945860".pn. "6035409"<br>"3296517".pn. "3546604".pn.<br>"3555458".pn. "3911368".pn.<br>"3997772".pn. "4156851".pn.<br>"4638190".pn. "4739279".pn.<br>"4806888".pn. "4866397".pn.<br>"4994773".pn. "5015872".pn.<br>"5157276".pn. "5317288".pn.<br>"5554945") AND<br>@pd<"20000428" | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:00 |
| S12 | 1975 | "phase locked loop" AND "clock<br>recovery"   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:17 |
| S13 | 56   | ("phase locked loop" AND "clock<br>recovery") AND interpolate   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:17 |
| S14 | 16   | ((("phase locked loop" AND "clock<br>recovery") AND interpolate) AND<br>@pd<"20000428"  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:17 |
| S15 | 43   | "phase interpolator" AND<br>@pd<"20000428"  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:18 |
| S16 | 15   | ((("phase locked loop" AND "clock<br>recovery") AND interpolate) AND<br>@pd<"20000428") NOT ("phase<br>interpolator" AND<br>@pd<"20000428")   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:26 |
| S17 | 228  | 375/326.CCLS. AND<br>@pd<"20000428"   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:54 |
| S18 | 21   | interpolate WITH phase  | EPO; JPO           | OR | OFF | 2004/06/28 13:47 |
| S19 | 3    | (375/326.CCLS. AND<br>@pd<"20000428") AND<br>interpolate  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:54 |

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| S20 | 268  | "interpolate" WITH phase   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:54 |
| S21 | 223  | "phase interpolator"   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:55 |
| S22 | 236  | ("interpolate" WITH phase) NOT<br>"phase interpolator"   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 13:55 |
| S23 | 106  | ((("interpolate" WITH phase) NOT<br>"phase interpolator") AND<br>@pd<"20000428"  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:00 |
| S24 | 3743 | phase WITH interpolat\$  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:19 |
| S25 | 1166 | (phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:01 |
| S26 | 457  | ((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428"   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:01 |
| S27 | 457  | ((((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428") NOT<br>(interpolate WITH phase)  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:08 |
| S28 | 26   | (((((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428") NOT<br>(interpolate WITH phase)) AND<br>"clock recovery"  | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:02 |
| S29 | 431  | (((((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428") NOT<br>(interpolate WITH phase)) NOT<br>((((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428") NOT<br>(interpolate WITH phase)) AND<br>"clock recovery")   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:15 |
| S30 | 57   | (phase AND interpolat\$).TI.   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:12 |
| S31 | 15   | (phase AND interpolat\$).TI. AND<br>@pd<"20000428"   | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:13 |
| S32 | 423  | (((((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428") NOT<br>(interpolate WITH phase)) NOT<br>((((phase WITH interpolat\$) AND<br>(PLL OR (phase ADJ lock\$))) AND<br>@pd<"20000428") NOT<br>(interpolate WITH phase)) AND<br>"clock recovery"))) NOT ((phase<br>AND interpolat\$).TI. AND<br>@pd<"20000428") | US-PGPUB;<br>USPAT | OR | OFF | 2004/06/28 14:16 |

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| S33 | 16  | (phase WITH interpolat\$) AND (DLL OR (delay ADJ lock\$)) AND @pd<"20000428"   | US-PGPUB; USPAT | OR | OFF | 2004/06/28 14:22 |
| S34 | 416 | (((((phase WITH interpolat\$) AND (PLL OR (phase ADJ lock\$))) AND @pd<"20000428") NOT (interpolate WITH phase)) NOT (((phase WITH interpolat\$) AND (PLL OR (phase ADJ lock\$))) AND @pd<"20000428") NOT (interpolate WITH phase)) AND "clock recovery")) NOT ((phase AND interpolat\$).TI. AND @pd<"20000428")) NOT ((phase WITH interpolat\$) AND (DLL OR (delay ADJ lock\$)) AND @pd<"20000428") | US-PGPUB; USPAT | OR | OFF | 2004/06/28 15:04 |
| S35 | 207 | buchwald.in.   | US-PGPUB; USPAT | OR | OFF | 2004/06/28 15:04 |
| S36 | 16  | buchwald.in. AND aaron.in.   | US-PGPUB; USPAT | OR | OFF | 2004/06/28 15:29 |
| S37 | 2   | "6509773"  | US-PGPUB; USPAT | OR | OFF | 2004/06/28 15:22 |
| S38 | 11  | "5485490".pn. "5650954".pn. "5757857".pn. "5881108".pn. "5966415".pn. "6002279".pn. "6005445".pn. "6009534".pn. "6122336".pn. "6329859".pn. "6359486".pn.  | US-PGPUB; USPAT | OR | OFF | 2004/06/28 15:25 |
| S39 | 8   | ("5485490".pn. "5650954".pn. "5757857".pn. "5881108".pn. "5966415".pn. "6002279".pn. "6005445".pn. "6009534".pn. "6122336".pn. "6329859".pn. "6359486".pn.) AND @pd<"20000428"   | US-PGPUB; USPAT | OR | OFF | 2004/06/28 15:29 |
| S40 | 1   | "5402449".PN.  | USPAT           | OR | OFF | 2004/06/28 15:28 |
| S41 | 1   | "5233631".PN.  | USPAT           | OR | OFF | 2004/06/28 15:28 |
| S42 | 1   | "5012494".PN.  | USPAT           | OR | OFF | 2004/06/28 15:28 |
| S43 | 1   | "4949357".PN.  | USPAT           | OR | OFF | 2004/06/28 15:28 |
| S44 | 1   | "4926447".PN.  | USPAT           | OR | OFF | 2004/06/28 15:28 |
| S45 | 1   | "4879728".PN.  | USPAT           | OR | OFF | 2004/06/28 15:29 |
| S46 | 1   | "4604755".PN.  | USPAT           | OR | OFF | 2004/06/28 15:29 |
| S47 | 1   | buchwald.in. AND aaron.in.   | EPO; JPO        | OR | OFF | 2004/06/28 15:29 |

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| S48 | 31   | "4373181".pn. "4684831".pn.<br>"4787082".pn. "4797635".pn.<br>"5382921".pn. "5448598".pn.<br>"5485113".pn. "5485490".pn.<br>"5533072".pn. "5548280".pn.<br>"5550860".pn. "5578939".pn.<br>"5587675".pn. "5592629".pn.<br>"5598443".pn. "5623518".pn.<br>"5633899".pn. "5638028".pn.<br>"5818304".pn. "5844436".pn.<br>"6002279"                          | US-PGPUB;<br>USPAT           | OR | OFF | 2004/06/29 10:06 |
| S49 | 21   | ("4373181".pn. "4684831".pn.<br>"4787082".pn. "4797635".pn.<br>"5382921".pn. "5448598".pn.<br>"5485113".pn. "5485490".pn.<br>"5533072".pn. "5548280".pn.<br>"5550860".pn. "5578939".pn.<br>"5587675".pn. "5592629".pn.<br>"5598443".pn. "5623518".pn.<br>"5633899".pn. "5638028".pn.<br>"5818304".pn. "5844436".pn.<br>"6002279" ) AND<br>@pd<"20000428" | US-PGPUB;<br>USPAT           | OR | OFF | 2004/06/29 10:06 |
| S50 | 1    | "20020039395"  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/07/26 09:31 |
| S51 | 0    | "5.550,576"  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/07/26 09:31 |
| S52 | 77   | "5550576"  | US-PGPUB;<br>USPAT           | OR | ON  | 2004/07/26 09:31 |
| S53 | 1    | "5550576".pn.  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/03/24 10:38 |
| S54 | 7    | ((("5,550,576") or ("5,629,733") or<br>("5,686,954") or ("5,444,499") or<br>("5,534,911") or ("5,564,088") or<br>("5,585,865"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/07/26 09:33 |
| S55 | 3166 | "frequency hopping" AND "spread<br>spectrum"   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/03/23 14:57 |
| S56 | 206  | S55 AND (encoding WITH rate)   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/03/23 14:46 |
| S57 | 147  | S56 AND @ad<"20010101"   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/03/23 14:46 |
| S58 | 5891 | "frequency hopping"  | US-PGPUB;<br>USPAT           | OR | OFF | 2005/03/23 14:57 |
| S59 | 154  | "frequency hopping" WITH encod\$   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/03/23 14:58 |
| S60 | 83   | S59 AND @ad<"20010101"   | US-PGPUB;<br>USPAT           | OR | OFF | 2005/03/23 14:58 |
| S61 | 1    | "6167078".PN.  | US-PGPUB;<br>USPAT           | OR | ON  | 2005/03/24 10:38 |

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| S62 | 8  | ("3911368"   "4216544"  <br>"4633193"   "4744096"  <br>"5235622"   "5485490"  <br>"5502750"   "5568099").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:05 |
| S63 | 12 | ("6122336").URPN.  | USPAT                        | OR | ON | 2005/04/15 09:05 |
| S64 | 1  | ("5629638").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:05 |
| S65 | 5  | ("6016064").URPN.  | USPAT                        | OR | ON | 2005/04/15 09:05 |
| S66 | 20 | ("4373181"   "4684831"  <br>"4787082"   "4797635"  <br>"5382921"   "5448598"  <br>"5485113"   "5485490"  <br>"5533072"   "5548280"  <br>"5550860"   "5578939"  <br>"5587675"   "5592629"  <br>"5598443"   "5623518"  <br>"5633899"   "5638028"  <br>"5818304"   "5844436").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:05 |
| S67 | 13 | ("6002279").URPN.  | USPAT                        | OR | ON | 2005/04/15 09:33 |
| S68 | 9  | ("4626716"   "4884041"  <br>"5180994"   "5451894"  <br>"5475344"   "5485490"  <br>"5534808"   "5663767"  <br>"5717362").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:34 |
| S69 | 19 | ("5945862").URPN.  | USPAT                        | OR | ON | 2005/04/15 09:34 |
| S70 | 9  | ("3626298"   "4570125"  <br>"4604755"   "4879728"  <br>"4926447"   "4949357"  <br>"5012494"   "5233631"  <br>"5402449").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:35 |
| S71 | 19 | ("5757857").URPN.  | USPAT                        | OR | ON | 2005/04/15 09:35 |
| S72 | 2  | ("5428626"   "5489864").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:35 |
| S73 | 5  | ("5274678"   "5285482"  <br>"5353312"   "5515403"  <br>"5581585").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:36 |
| S74 | 12 | ("4146840"   "4346412"  <br>"5060088"   "5153875"  <br>"5189637"   "5258933"  <br>"5325130"   "5392171"  <br>"5422760"   "5430768"  <br>"5459757"   "5563819").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/15 09:36 |